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**BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL-2019
DECE - FOURTH SEMESTER EXAMINATION
DIGITAL COMMUNICATIONS**

Time: 3 Hours]

[Max. Marks: 80

PART-A

3x10=30M

Instructions: 1) Answer **all** questions.
2) Each question carries **three** marks.
3) Answer should be brief and straight to the point and shall not exceed five simple sentences.

1. Define information capacity of a channel.
2. Define Bit rate and dynamic range for PCM systems.
3. List any three digital signal Encoding formats.
4. List any three error correction techniques.
5. State the need for Digital Modulation.
6. Compare ASK,FSK and PSK.
- * 7. State the need for multiplexing.
8. State any three advantages of ISDN.
9. Classify different switched Telephone Systems.
10. Define Local loop in telephone system.

